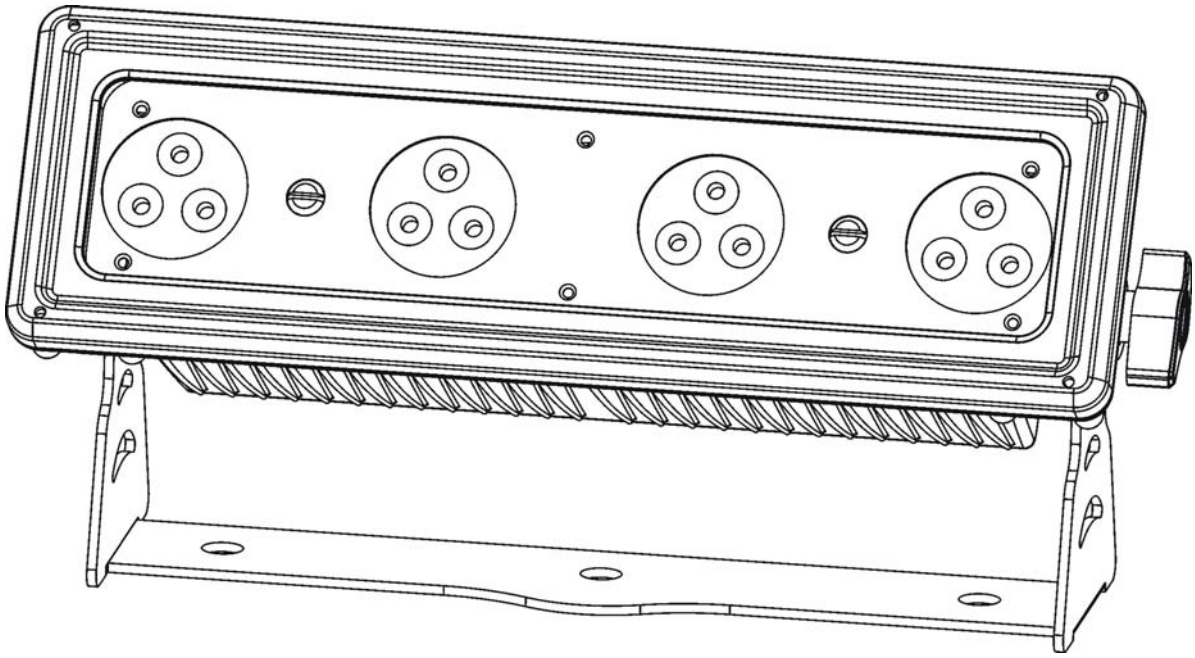

ELAR DW BRICK

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Los Angeles, CA. 90040
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Rev. 01/06/2011

Version 1.3

TABLE OF CONTENS

CONTENTS

1. General Information…… 2
    a. Introduction…… 2
    b. Unpacking…… 2
    c. Customer Support…… 2
    d. Warranty Registration…… 3
2. Safety Instructions…… 4
3. Features……6
4. General Guidelines…… 7
5. Fixture Overview…… 8
6. Mounting and Installation…… 10
7. Understanding DMX…… 12
    a. DMX Connections…… 12
    b. DMX Terminator…… 13
    c. 3-Pin to 5-Pin Conversion……14
    d. Understanding DMX Addressing…… 14
8. Display LED Indicator……16
9. DISPLAY MENU…… 17
10. DMX Traits……24
11. Cleaning and Maintenance……27
12. Warranty……28
13. Photometric Data…… 30
14. Dimensional Drawings…… 31
15. Change lens to get different beam angles…… 32
16. Circuit Schematic……33
17. Technical Specifications…… 34

1. GENERAL INFORMATION

INTRODUCTION*:* Congratulations, you have just purchased one of the most innovative and reliable LED fixtures on the market today! The ELAR DW BRICK™ has been designed to perform reliably for years when the guidelines in this booklet are followed. Please read and understand the instructions in this manual carefully and thoroughly before attempting to operate this unit. These instructions contain important information regarding safety during use and maintenance.

UNPACKING: Thank you for purchasing the ELAR DW BRICK™ by Elation Professional®. Every ELAR DW BRICK™ has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for damage and be sure all accessories necessary to operate the fixture have arrived intact. In the event damage has been found or parts are missing, please contact our customer support team for further instructions. Please do not return this unit to your dealer without first contacting customer support at the number listed below.

Inside the box you should find: the fixture, Two DMX XLR waterproof connection cables, One waterproof power cables, a safety cable, and this manual. Please contact customer support at the number listed below if any of the above items are missing.

CUSTOMER SUPPORT: Elation Professional® provides a customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at www.elationlighting.com for any comments or suggestions. For service related issue please contact Elation Professional®. Service Hours are Monday through Friday 9:00 a.m. to 5:00 p.m. Pacific Standard Time.

Voice: (323) 582-3322
Fax: (323) 582-3108
E-mail: support@elationlighting.com
Forum: www.ElationLighting.com/forum

Warning*!* To prevent or reduce the risk of electrical shock or fire, do not expose this unit to

rain or moisture.

Caution! There are no user serviceable parts inside this unit. Do not attempt any repairs yourself. Doing so will void your manufactures warranty.

Please do not discard the shipping carton in the trash. Please recycle whenever possible.

WARRANTY REGISTRATION*:* The ELAR DW BRICK™ carries a two year (730 days) limited warranty. Please fill out the enclosed warranty card to validate your purchase. All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper and included in the shipping container. If the unit is under warranty, you must provide a copy of your proof of purchase invoice. Items returned without a R.A. number clearly marked on the outside of the package will be refused and returned at customer's expense. You may obtain a R.A. number by contacting customer support at (323) 582-3322.

2. SAFETY INSTRUCTIONS

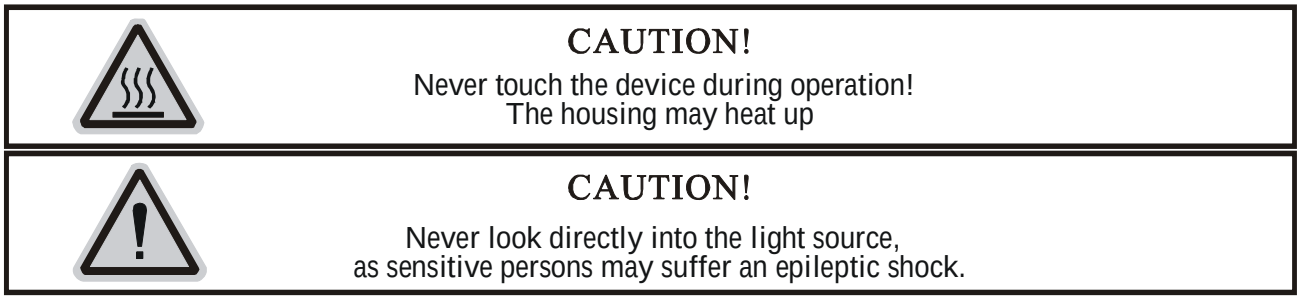
	To guarantee proper and consistent operation, it is important to follow the guidelines in this manual. Elation Professional will not accept responsibility for damages resulting from the misuse of this fixture due to the disregard of the information printed in this manual.

1. Always be sure that the fan and the air inlets remain clean and are never blocked. Allow about 6” (15cm) between this fixture and other devices or a wall to allow for proper cooling.
2. Never touch the fixture during normal operation.
3. Never look directly into the lamp beam. You risk injury to your retina, which may induce blindness.
4. For safe operation, follow the Installation guide described in chapter two of this manual. Operating the ELAR DW BRICK™ without suited safety aids such as safety cables or clamps can increase the risk of damage and/or personal injury.
5. Installation should only be performed by qualified and certified personal.
6. When mounting this fixture, use only the original rigging points included with this fixture. Any structural modification will void the original manufactures warranty and may increase the risk of damage and/or personal injury.
7. To reduce the risk of fire or shock, do not expose this fixture to rain or moisture.
8. Do not attempt to operate this fixture if the power cord has become damaged or frayed.
9. ***Never open this fixture while in use.***
10. This device falls under protection-class I. Therefore it is essential that the device be grounded properly.
11. All electrical connections must performed by qualified personal.
12. Be sure the available voltage matches the voltage requirements of the unit. Be sure the power cord is never crimped or damaged. If the power cord is damaged,

replace it immediately with a new one of similar power rating.

13. Always disconnect from main power before performing any type of service or any cleaning procedure.
14. Only handle the power cord by the plug. Never pull out the plug by tugging the wire portion of the cord.
15. If the external flexible cable or cord of this luminaire is damaged, it shall be exclusively replaced by the manufacturer or his service agent or a similar qualified person in order to avoid a hazard.
16. ***Please be aware that damages caused by modifications to the device are not subject to warranty.***

Important Notice: *Damages resulting from the disregard of safety and general user instructions found in this user manual are not subject to any warranty claims.*


CAUTION!
Never touch the device during operation!
The housing may heat up
CAUTION!
Never look directly into the light source,
as sensitive persons may suffer an epileptic shock.

3. FEATURES

- Low power consumption
- Minimal heat emission
- Maintenance free operation
- Equipped with 12 three-watt LEDS: (4 cool white, 8 warm white)
- 100,000 hours ***rated*** LED life
- Seamless white and warm color changing
- USITT DMX-512 complaint
- 5-pin and 3-pin Male and Female XLR Data Connectors
- Preprogrammed colored macros
- Strobe-effect with a maximum flash rate of 18fps
- DMX-controlled operation or stand-alone operation with Master/Slave-function
- Individual control over each LED
- Electronic/Switching power supply (AC 100V-240V~, 50 Hz /60Hz)
- Two DMX Modes:
  - 5 DMX-channels
  - 10 DMX-channels
- Flicker-free operation for television and film
- Compact design: fits in 12” box truss
- Brilliant light output
- Linkable power supply (in and out power connectors) up to 8 units.
- Firmware upgradeable via Elation “E-Loader”

4. GENERAL GUIDELINES

This fixture is a professional lighting effect designed for use on stage, in nightclubs, in theatres, and other types of architectural installations. Do not attempt operation or installation without a proper knowledge on how to do so.

This fixture was designed for indoor use only; use of this fixture outside will void the manufacture's warranty.

Consistent operational breaks will ensure that the fixture will function properly for many years to come.

Do not shake the fixture around. Avoid brute force when installing or operating the fixture.

While choosing an installation location, please be sure that the fixture will not be exposed to extreme heat, moisture, or dust. The minimum distance between the fixture and a wall or flat surface should be at least .5 meter (about 1.5ft).

Always install the fixture with an appropriately rated safety cable. When installing the fixture in a suspended environment always be sure to use mounting hardware no less than M10 x 25 mm, also be sure the hardware is only inserted in the yoke's mounting holes.

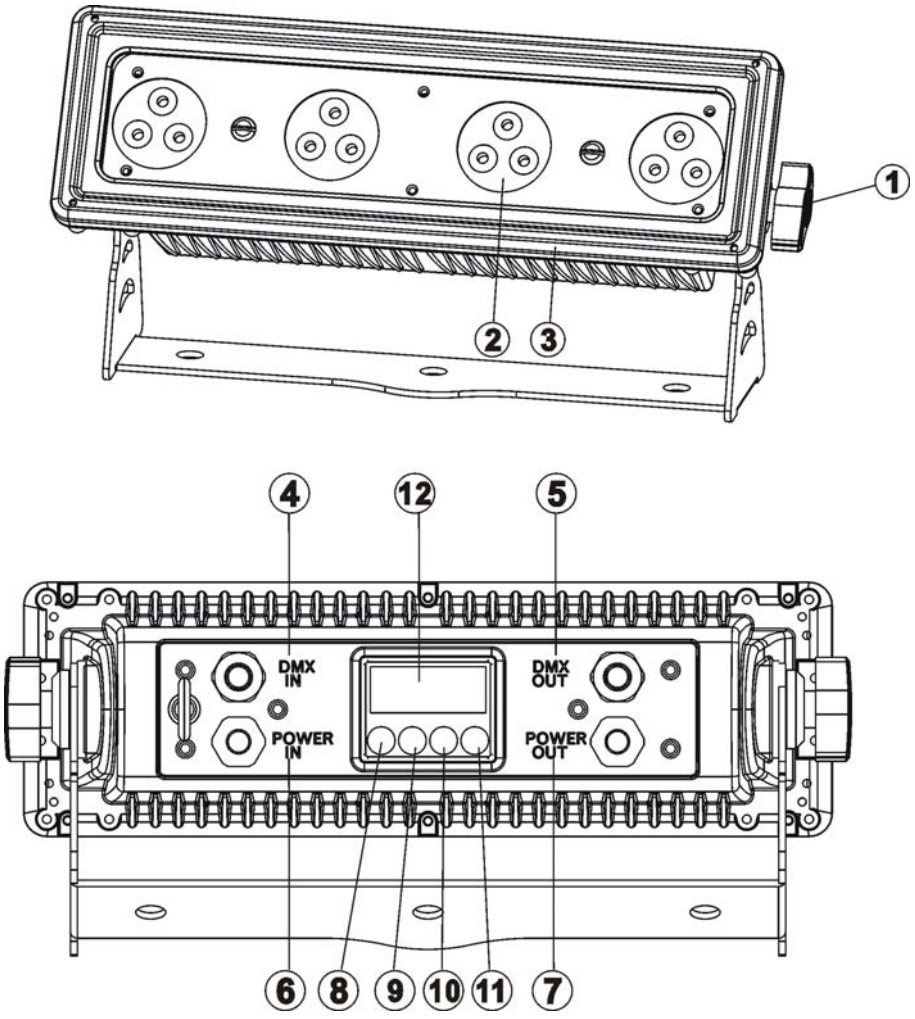
Do not attempt to operate this fixture until you have familiarized yourself with all of its functions.

Do not permit operation by persons not qualified for operating this type of theatrical fixture. Most damages are the result of improper operation.

Please use the original packaging to transport the fixture in for service.

For your own safety, please read this user manual carefully before installing the device.

5. FIXTURE OVERVIEW



1. **LED Assembly** –Cool white warm white LED assembly 3 watt LEDS

2. **Bracket Locking Knob –** This knob is used to secure the bracket in place after angle adjustments have been made.

3. **LED Housing –** This part include all hardware.

4. **DMX Input Jack –** This jack accepts an incoming DMX signal via a male, 3-pin or a 5-pin XLR jack.

5. **DMX Output Jack –** This jack is used to send an incoming DMX signal to the next fixture in the DMX chain via a female, 3-pin or a 5-pin XLR jack.

6. **Main Power Input Lead –** This lead is the main power input lead. When the unit is the first in a chain or the only fixture to be used, be sure to use the power starter cable that converts a standard Edison 3-prong to the IP rated twist lock connector. When jumping from fixture to fixture be sure to only use Elation IP rated power connectors to maintain the IP rating.

7. **Power Output Jack** – Use this jack to jump power to another ELAR DW BRICK™

8. **MENU BUTTON** – This button is used to access and exit the fixture's on-board menu system.

9. **UP BUTTON** – This button is used to scroll forward when navigating through the fixture's menu system.

10. **DOWN BUTTON** – This button is used to scroll backwards when navigating through the fixture's menu system.

11. **ENTER BUTTON** – This button is used to select and confirm a menu function.

12. **LED MENU DISPLAY –** Four segment LED menu display, details all menu functions

6. MOUNTING AND INSTALLATION

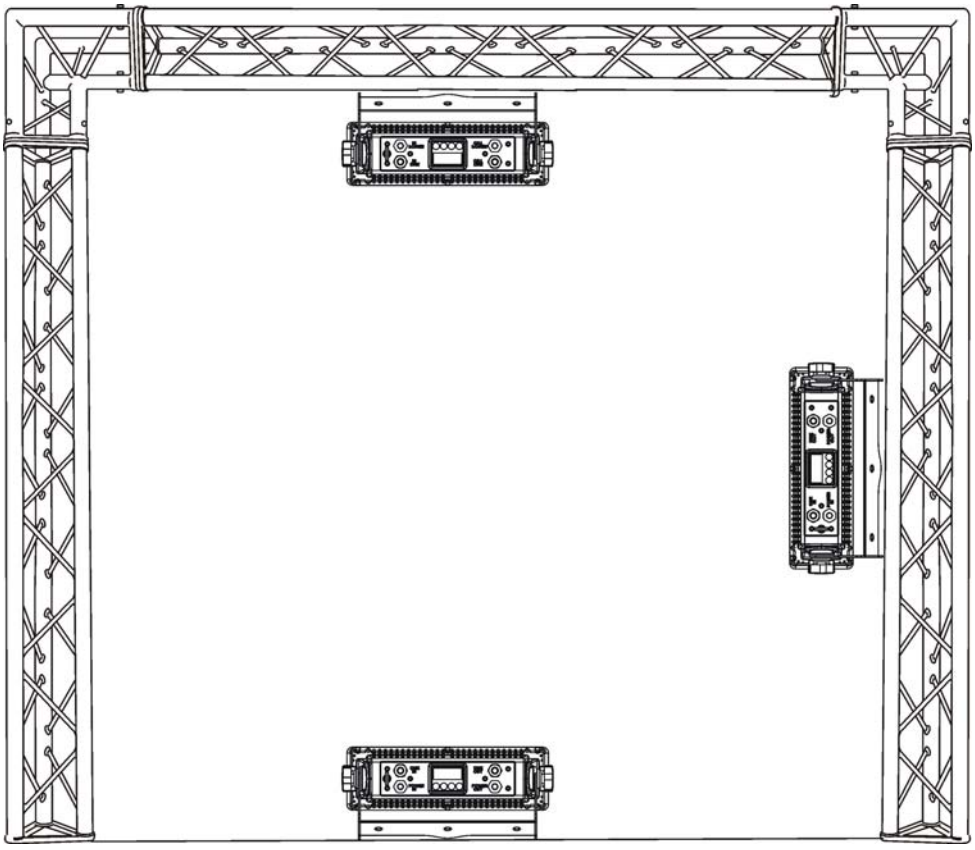
Mounting points

Overhead mounting requires extensive experience, including amongst others calculating working load limits, a fine knowledge of the installation material being used, and periodic safety inspection of all installation material and the fixture. If you lack these qualifications, do not attempt the installation yourself. Improper installation can result in bodily injury.

Be sure to complete all rigging and installation procedures before connecting the main power cord to the appropriate wall outlet.

Mounting

The ELAR DW BRICK™ is fully operational in three different mounting positions, hanging upside-down from a ceiling, side mounted, or set on a flat level surface. Be sure this fixture is kept at least 0.5m away from any flammable materials (decoration etc.). When clamp mounting; always use and install the supplied safety cable as an added safety measure to prevent accidental damage in the event of a clamp failure. ***See the image below.***

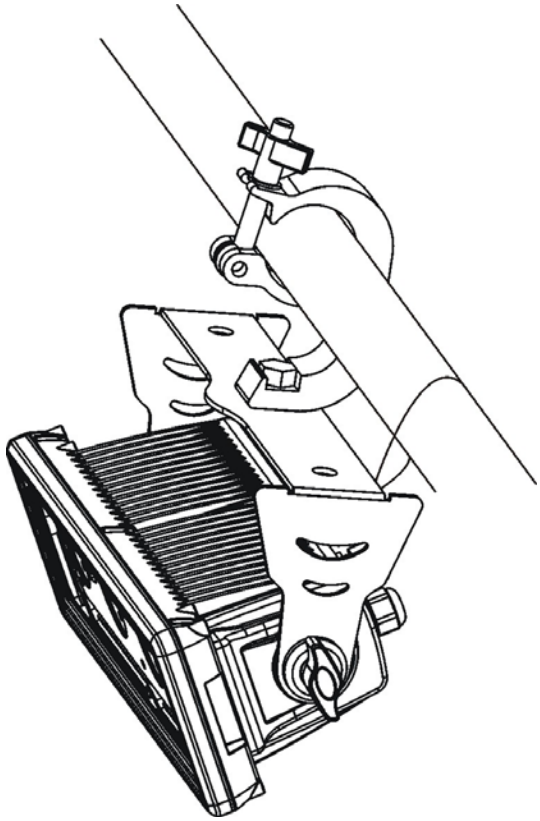


CAUTION!
Be sure all electrical connections are performed by a qualified electrician before attempting any operation.

Clamp Mounting

The ELAR DW BRICK™ provides a unique mounting bracket assembly that allows the unit to stand on flat surface, hang on truss via a clamp, or be used in cluster allow multiple units to rigged together (see the illustration below). Regardless of the mounting option you choose please refer to the safety guidelines in this manual to avoid damage to the unit and/or injury to persons.

When mounting this fixture to truss be sure to secure an appropriately rated clamp to the hanging yoke using a M10 screw fitted through the center hole of the hanging yoke. As an added safety measure be sure to attach at least one properly rated safety cable to the fixture. See illustration below.



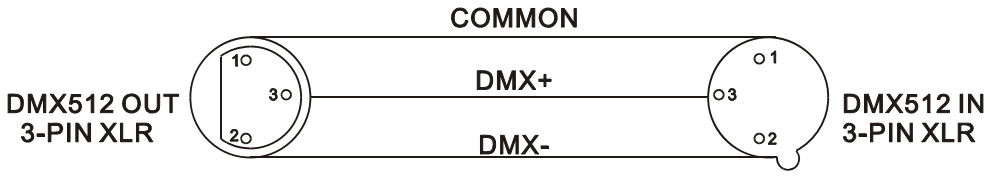
Securing the ELAR DW BRICK™

Always secure your fixture with a safety cable when suspend-ing the unit from truss or other means. The fixture provides a built-in rigging point for a safety cable as illustrated above. Be sure to only use the designated rigging point for a safety cable. Never secure a safety cable to the hanging bracket.

7. UNDERSTANDING DMX

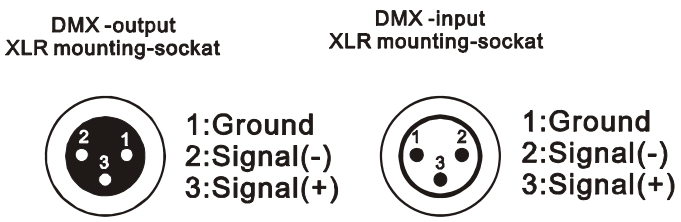
Data Cable (DMX Cable) Requirements (For DMX and Master/Slave Operation):

Your fixture and your DMX controller require a standard 3-pin XLR connector for data input and data output (see figure below). Be sure to only use properly rated DMX cables for DMX operation and not standrd audio cables. If you are constructing your own cables be sure to use two conductor shielded digital cable rated at a 120 ohms (this cable can be purchased at almost all professional sound and lighting stores). Your cables should be made with a male and female 3-pin XLR connector on either end of the cable.



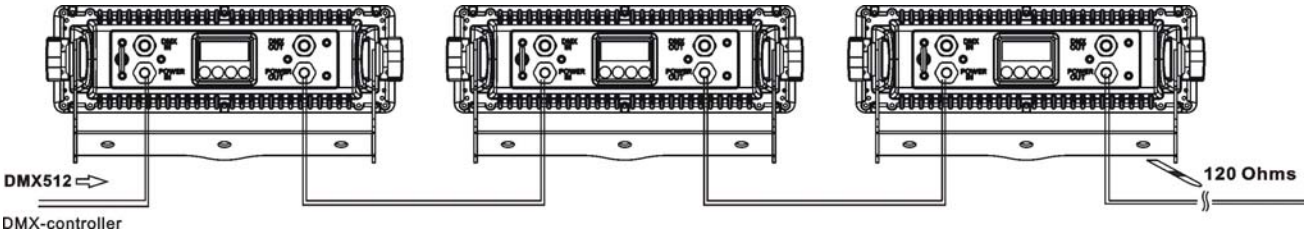
Please note: This is not the same as audio microphone cable. Audio cable has a different resistance rating

Be sure to follow the above figure when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.



DMX-512 control connection

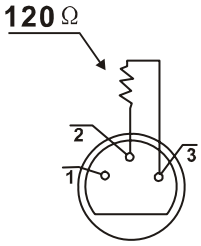
Connect the provided DMX XLR cable to the female 3-pin XLR output of your controller and the other side to the male 3-pin XLR input of the moving head (Please refer to the diagram below.). You can chain multiple moving heads together through serial linking. The cable needed should be two conductor, shielded cable with XLR input and output connectors. Always be sure daisy chain your in and out data connections, never split or “Y” your DMX connections unless you are using an approved DMX splitter such as the Elation Opto Branch 4™ or DMX Branch/4™.

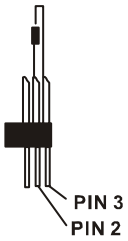


Please note: to ensure maximal stability, when the input voltage is 100~120V, only 8 devices may be connected together in this manner! From the 9th devices, please connect to power supply to get power for the second link; when the input voltage is 220~240V, only 15 devices may be connected together in this manner! From the 16th devi ces, please connect to power supply to get power for the second link

DMX-512 connection with DMX terminator

When longer runs of cable are used, you may need to use a terminator on the last fixture to avoid erratic behavior. A terminator is a 120 ohm 1/4 watt resistor that is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This fixture is inserted in the female XLR connector of the last fixture in your daisy chain to terminate the line. Using a cable terminator (Elation part number Z-DMX/T) will decrease the possibilities of erratic behavior.





Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

5-Pin XLR DMX Connectors. Some manufactures use 5-pin XLR connectors for DATA transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used, these adaptors are readily available at most electric stores. The chart on the next page details a proper cable conversion.

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Pin 4 - Do Not Use
Not Used		Pin 5 - Do Not Use

Understanding Fixture DMX addressing;

All fixtures should be given a DMX starting address when using a DMX controller, so the correct fixture responds to the correct control signal. This digital starting address is the channel number from which the fixture starts to “listen” to the digital control information sent out from the DMX controller. The allocation of this starting DMX address is achieved by combining various dipswitches located on the rear of the fixture.

You can set the same starting address for all fixtures, or a group of fixtures, or set different address for each individual fixture. Be advised that setting all you fixtures to the same DMX address will subsequently control all fixtures in the same fashion, in other words, changing the settings of one channel will affect all the fixtures simultaneously.

If you set each fixture to a different DMX address, each unit will start to “listen” to the channel number you have set, based on the quantity of control channels (DMX channels) of each

fixture. That means changing the settings of one channel will only affect the selected fixture.

In the case of the ELAR DW BRICK™, which is a 5 channel fixture (default), you should set the starting DMX address of the first unit to 1, the second unit to 6 (5 + 1), the third unit to 11 (6 + 5), and so on.

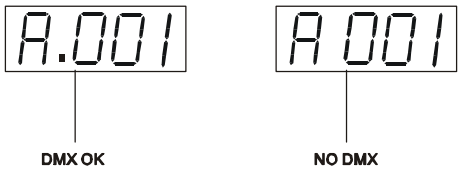
Note: During start-up the ELAR DW BRICK ™ will automatically detect whether a DMX data signal is being received or not. If a DMX data signal is being received, the display will show **"A.XXX" (XXX** representing the actual DMX address). If the fixture is not receiving a DMX signal the display will flash **"A.XXX" (XXX** representing the actual DMX address).

If your fixture is connected to a DMX controller and the display is flashing (not receiving a DMX signal), please check the following:

- The 3-pin or 5-pin XLR plug (cable with DMX signal from controller) may not be connected or is not inserted completely into the DMX input jack.
- The DMX controller is switched off or defective.
- The DMX cable from the controller merging with included IP Rated Cable adapter is not connected securely
- The DMX cable or connector is defective.
- A DMX terminator has been inserted into the last fixture in your DMX chain.

8. DISPLAY LED INDICATOR.

The ELAR 108PAR RGBW ™ has a LED indicator on the display. This indicator is designed to give a quick visual indication of the fixtures' DMX status. The illustration below details the functionality of the LED indicators.



The LED indicator represents DMX signal:

- If the indicators is on, a clean DMX signal is present
- If the indicator is off, there is no DMX signal present

9. DISPLAY MENU

Default settings shaded.

MODE	**<ADDR>**	VALU	**A001**~AXXX (AXXX)	DMX address setting
		SLAV	ON/**OFF**	Set as Slave
		RDMX	**ON**/OFF	Change address via DMX
	<RUN>	AUTO	**ALON**/MAST	Run Auto program
	<DISP>	VALU	D-XX D-00(DXXX)	Display DMX value
		FLIP	ON/**OFF**	Flip display
		D ON	**ON**/OFF	Delay shutting off LED display
		LOCK	ON/**OFF**	Key lock (Press the MENU button for 3 seconds to activate)
SET	<CHAN>	**5CH**/10CH		DMX channel Mode
	<FAIL>	OFF/**HOLD**/AUTO		Status while there is no DMX
	<DFSE>	ON/**OFF**		Default setting
	<POHO>	**ON**/OFF		Preserves manual setting after power has been turned off.
	<VER>	V-1.0~V-9.9		Software version
MANL	<COOL WARM TEMP STRB DIMM>	C XXX(000~255) W XXX(000~255) T XXX(000~255) S XXX(000~255) D XXX(000~255)		Manual adjust intensity
TIME	<LIFE>	0000~9999(hours)		Life time of machine running
	<CODE>	CXXX		Password of clear time ”038”
	<CLFE>	ON/**OFF**		Clear machine running time
EDIT	<STEP>	S-01~**S-48**		Select steps of program
	REC.	RE.XX		Auto Save Scene
	<SC01> ~<SC48>	COOL WARM TEMP STRB DIMM	C XXX(000~255) W XXX(000~255) T XXX(000~255) S XXX(000~255) D XXX(000~255)	Edit the internal scenes
		FADE	XXX	
		TIME	XXX.X (000.1s~999.9s)	
		CEDT	ON/OFF	Edit program via controller

Remarks:

1) **If the fixture does not receive a DMX signal the menu display will flash repeatedly.**
2) **TIME: Adjust the hold time for each scene in built-in chase programs.**
3) **FADE: Adjust the fade time between each scene in the built-in programs.**

9.1 “MODE” - Function Mode:

9.1.1 <ADDR> - DMX address setting – This function is used to set or adjust the fixture’s starting DMX address. Every device controlled by DMX has to have a unique starting address. The addressing feature is what allows DMX to function properly. The DMX address of a fixture is what allows it to communicate with a controller properly. The DMX addressing also allows the fixture to ignore any DMX information coming from the controller that is not meant specifically for the fixture. Because each fixture is connected in a daisy-chain fashion it is imperative to assign a proper and unique starting DMX address to each and every fixture. The DMX address is non-destructive and will remain in the fixture’s memory even when the power to the unit is switched off. Memory is backed-up and retain by an internal power source that should last about five years.

“VALU” - Display the DMX 512 value of each channel

With this function you can display the DMX 512 value of each channel. The display will automatically detail the changing DMX values as they are received from the controller.

“SLAV” - Slave setting for Master/Slave Operation

With this function, you can define the device as slave for operation in Master/Slave mode. Each slave setting will have a different function for a dynamic lightshow without a controller.

“RDMX” - Address via DMX - This function allows the DMX address to remotely be adjusted from a DMX console. This setting requires special settings for both the controller and the fixture. RDMX is on by default.

9.1.2 <RUN> - Internal Program Settings

This function allows the internal programs to run in either stand-alone or master/salve mode. In “Master” mode the fixture will send DMX data to other fixtures connect via the DMX chain. In “Alone” mode the fixture will operate as a single fixture. The program for this mode is selected in the **“Select program”** section of the control menu. You can set

the number of steps under **“Edit program”**. You can edit the individual scenes under **“Edit scenes”**. With this function, you can run the individual scenes either automatically, i.e. with the adjusted Step-Time.

9.1.3 <DISP> - Menu Display Settings

This function allows the internal programs to run in either stand-alone or master/salve DMX chain. In “Alone” mode

“VALU” - Display the DMX 512 value of each channel

This function will electronically display the current DMX value for any channel that is currently being adjusted. The display will automatically detail the changing DMX values as they are received from the controller. This function is “off” by default.

“FLIP” – This function will flip the display readout by a 180˚ allowing for better visualization when the fixture is mounted in an inverted position.

“D ON” – The display is designed to turn off during normal operation to avoid excessive light in situations that require an extremely dark environment. This function will adjust the time delay the fixture will remain on before it turns off. ***This function is disabled as default.***

LOCK –This function allows you to lock the keys.

With this function you can activate the automatic keylock status. If this function is activated, the keys will be automatically locked in 15 seconds from the last press. In order to deactivate the keylock status, press the Mode/Esc-button for 3 seconds.

1. Access the main menu.
2. Tap the UP button until “DISP” is displayed.
3. Press ENTER, the display will show “VALU”.
4. Tap the UP button until ”LOCK” is displayed and tap the ENTER button.
5. Press the UP button to select “ON” to activate this function, or “OFF” to deactivate this function.
6. Press ENTER to confirm.
7. Press MENU to return to the main menu.

9.2 “SET” – Fixture Personality Settings:

These functions set specific running modes and operating parameters.

<CHAN> DMX Mode settings

This function allows the fixture to run in different DMX channel modes. Two modes are available; 5 channel, 10 channel. See “DMX Traits” beginning on page 28 for a detailed explanation of the different DMX modes.

<FAIL> DMX Fault Protection

This function dictates how the fixture will operate in the event DMX signal is suddenly lost while operating in DMX mode. The three fail safe modes are; 1) “OFF” which will blackout all light output. 2) “HOLD,” which will hold the last DMX command, or 3 “AUTO,” which will put the fixture in sound-active mode.

<DFSE> - Restore Default

This function is used to restore the factory settings of the device. All settings will be set back to the default values (shaded). Any edited scenes will be lost.

<POHO> - Power on to preserve the MANL settings

This function will preserve all the manual setting that are made in the “MANL” menu section. If this function is not activated all manual settings will be lost once the fixture is tuned off.

<VER> Software Version

This function will display the current firmware version.

9.3 “MANL” – Manual Fixture Settings:

This function allows the each of the ten DMX channels to be controlled manually. This will allow the fixture to be preset to a specific color or built-in program without the use of a DMX console.

9.4 "TIME" – Operating Hours

These functions will detail different time functions associated with the fixture.

<LIFE> (0000~9999 Hours)

This function tracks the running time of the fixture from the point it was last cleared. Where "XXXX "represents the total number of running hours. This time is none destructive and will remain in the fixtures memory indefinitely. Use this time to track rentals or show durations.

<CODE> Clear run time access code

This lock-out code prevents the current run time from being erased accidently. The access code is "038"

<CLFE> Clear Fixture Run Time

This function resets the run time to zero.

9.5 "Edit" Internal Program Settings:

The fixture comes equipped with a built-in DMX recorder that allows custom programs to be installed and recalled directly from the fixture's control board. Programs can be created and stored using the fixture's control board or by using an external DMX controller.

9.5.1 **Select program –** This function allows the user to select one of ten of the user defined built-in programs. This program is then accessed in "Function Mode" under "Program Run."

9.5.2 **REC** – Auto save function.

9.5.3 **Edit program –** This function allows the user to edit the built-in programs.

9.5.4 **Edit Scenes –** This function allows the user to edit or define the actual scenes that are stored in the user defined built-in programs that are accessed in the previous step.

9.5.5 **CEDT** - Edit program using a external controller.

Editing procedure 1: Using the control board only.

1. Access the main menu.
2. Tap the UP button until “EDIT” is displayed and press ENTER.
3. The display will show “SC-01”, this stands for the scene number. For example, “SC-01” is displayed, it means you will be editing scene 1, press ENTER. You can change the scene number by tapping the UP button.
4. Press ENTER, the display will show “C-01,” this represents the channel number. If “C-01” is displayed, you will be editing the fixture’s channel 1 value of the selected scene, press ENTER. You can change the channel number by tapping the UP button.
5. The display will show the DMX value for the channel that is being edited. It will be displayed as “11XX,” it stands for Channel 11 of the editing scene, the DMX value is “XX.”
6. Adjust the DMX value by tapping the UP button, until you get the expected effect for this channel.
7. Press ENTER to enter the editing of the other channels of the scene.
8. Repeat steps 5-8, until you finish setting all the DMX values for all the channels of this scene, each scene can have 16 channels maximum.
9. Once all the channels are completed, the display will begin to flash “TIME,” this indicates the time needed to run this scene.
10. Press ENTER to edit the time needed, the display shows “TXXX”, “XXX” represents the time needed to run this scene. For example, “T002” means scene 1 needs 0.4 seconds to run, “T-15” means this scene needs 3.0 seconds to run. Note: “XX” is always 0.2 seconds not one second.
11. Adjust the time needed by tapping the UP button.
12. Press ENTER to save the settings for the scene you are editing, the display will change to the next scene automatically.
13. Repeat steps 3-12 to edit other scenes, you can edit and save 48 scenes maximum.

14. Press MODE/ESC to exit and save your edited scene into the fixtures internal memory. The number of steps can be defined under “EDIT” and the scenes can be called up under “Run.” To run the scenes see page 30.

Editing procedure 2: Using an external controller.

1. Call up the first scene in your controller now.
2. Select “SC01” by pressing the UP or DOWN buttons.
3. Press MODE/ESC, the display shows “SC01”.
4. Press MODE/ESC, the display shows “C-01”.
5. Select "**CEDT**" by pressing the UP or DOWN buttons.
6. Press MODE/ESC, the display shows "OFF".
7. Press UP, the display will read "ON".
8. Press MODE/ESC, the display shows "SC02". You successfully downloaded the first scene.
9. Adjust the Step-time as described above.
10. Call up the second scene in your controller now.
11. Repeat steps 5-11 until all desired scenes are downloaded.
12. Press MODE/ESC to exit. The number of steps can be defined under “STEP” and the scenes can be called up under “RUN.”

10. DMX CHANNEL TRAITS

DMX Operation Notes:

The fixture will function in DMX mode whenever the unit is receiving a DMX signal. Please note that this will override all manual settings regardless of dipswitch positions.

This unit will keep and retain the last DMX command in the event of DMX signal failure.

DMX CHANNEL TRAITS

The charts below outline the different DMX traits for the 2 different DMX modes.

5-Channel mode: In this mode channel 1 controls all the cool white LEDs, channel 2 controls all the warm white LEDs, channel 3 controls the color_temperature, channel 4 controls the strobe, and channels 5 controls the dimming.

CHANNEL 1: Cool white
CHANNEL 2: Warm white
CHANNEL 3: Color_temperature
CHANNEL 4: Strobe
CHANNEL 5: Dimming

5 Channel Mode: This chart details a simple layout of the DMX channel assignment in

DMX channel's functions and their values (5 Channel Mode):	
Channel 1 - Cool-White:	
0-255	Cool-White (0-Black , 255-100%)
Channel 2 - Warm-White:	
0-255	Warm-White (0-Black , 255-100%)
Channel 3 - Color_temperature:	
0-10	No function
11-81	Color_temperature(3200K)
82-162	Color_temperature(4300K)

163-255	Color_temperature(5600K)
Channel 4 - Strobe:	
0	No function (shutter open)
1-95	Strobe effect slow to fast
96-127	No function (shutter open)
128-159	Pulse-effect in sequences
160-191	No function (shutter open)
192-223	Random strobe effect slow to fast
224-255	No function (shutter open)
Channel 5 - dimming:	
0-255	Dimming(0-Black , 255- 100%)

10 Channel Mode: This chart details a simple layout of the DMX channel assignment in

CHANNEL 1: Cool white

CHANNEL 2: Warm white

CHANNEL 3: Cool white

CHANNEL 4: Warm white

CHANNEL 5: Cool white

CHANNEL 6: Warm white

CHANNEL 7: Cool white

CHANNEL 8: Warm white

CHANNEL 9: Strobe

CHANNEL 10: Dimmer/Speed

DMX channel's functions and their values (10 Channel Mode):	
Channel 1 - Cool-White:	
0-255	Cool-White (group1)
Channel 2 - Warm-White:	
0-255	Warm-White (group1)
Channel 3 - Cool-White:	

0-255	Cool-White (group2)
Channel 4 - Warm-White:	
0-255	Warm-White (group2)
Channel 5 - Cool-White:	
0-255	Cool-White (group3)
Channel 6 - Warm-White:	
0-255	Warm-White (group3)
Channel 7 - Cool-White:	
0-255	Cool-White (group4)
Channel 8 - Warm-White:	
0-255	Warm-White (group4)
Channel 9 - Strobe:	
1-95	Strobe effect slow to fast
96-127	No function (shutter open)
128-159	Pulse-effect in sequences
160-191	No function (shutter open)
192-223	Random strobe effect slow to fast
224-255	No function (shutter open)
Channel 10 - dimming:	
0-255	Dimming(0-Black , 255- 100%)

11. CLEANING AND MAINTENANCE

The consider the following point during normal service and inspection:

1. Be sure all screws and fasteners are securely tightened at all times. Lose screws may fall out during normal operation resulting in damage or injury as larger parts could fall.
2. Electric power supply cables must not show any damage, material fatigue or sediments. Never remove the ground prong from the power cable.

Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

CAUTION!

Disconnect from mains before starting maintenance operation.

We recommend a frequent cleaning of the device. Please use a moist, lint- free cloth. Never use alcohol or solvents.

There are no user serviceable parts inside this, please refer all other service issues to an authorized Elation service technician.

Should you need any spare parts, please order genuine parts from your local dealer.

12. 2-YEAR LIMITED WARRANTY

A. Elation Professional® hereby warrants, to the original purchaser, Elation Professional® products to be free of manufacturing defects in material and workmanship for a period of two years, (730 days) from the date of purchase. This warranty shall be valid only if the product is purchased within the United States of America, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought.

B. For warranty service, send the product only to the Elation Professional® factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Elation Professional® will pay return shipping charges only to a designated point within the United States. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, Elation Professional® shall have no liability what so ever for loss of or damage to any such accessories, nor for the safe return thereof.

C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which Elation Professional® concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Elation Professional® factory unless prior written authorization was issued to purchaser by Elation Professional®; if the product is damaged because not properly maintained as set forth in the instruction manual.

D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check-up. During the period specified above, Elation Professional® will replace defective parts at its expense, and will absorb all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Elation Professional® under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Elation Professional®. All products covered by this warranty were manufactured after January 1, 1990, and bare identifying marks to that

effect.

E. Elation Professional® reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured.

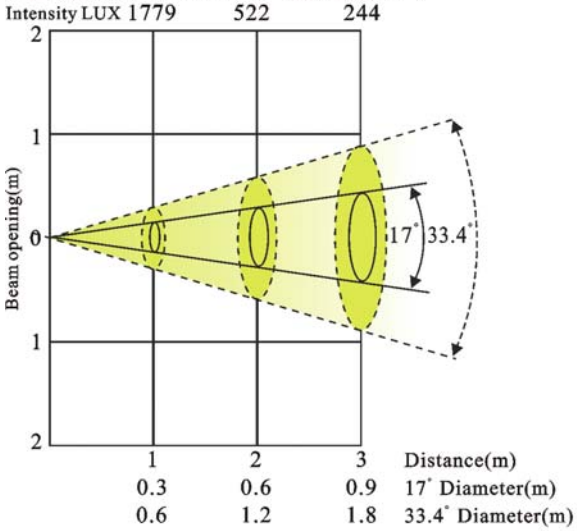
F. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by Elation Professional® in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Elation Professional® be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

G. This warranty is the only written warranty applicable to Elation Professional® Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

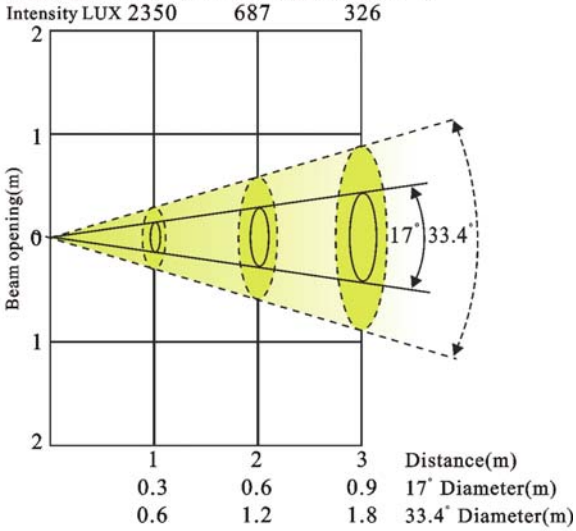
13. PHOTOMETRIC DATA

ELAR DW BRICK
Photometric Data

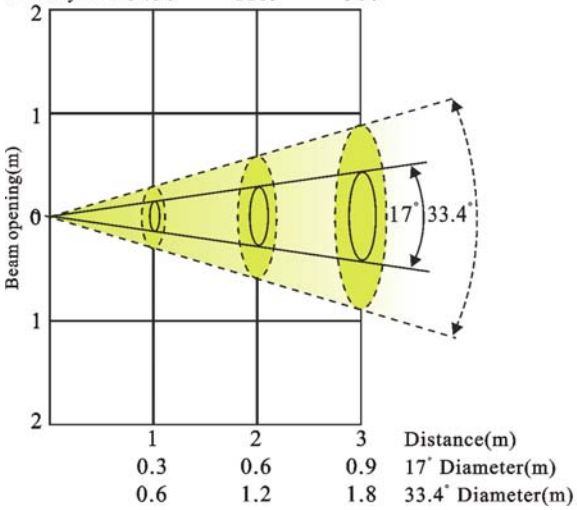
Beam angle 17°
Field angle 33.4° of Cool white LEDS(LENS 25°)
Intensity LUX 1779 522 244



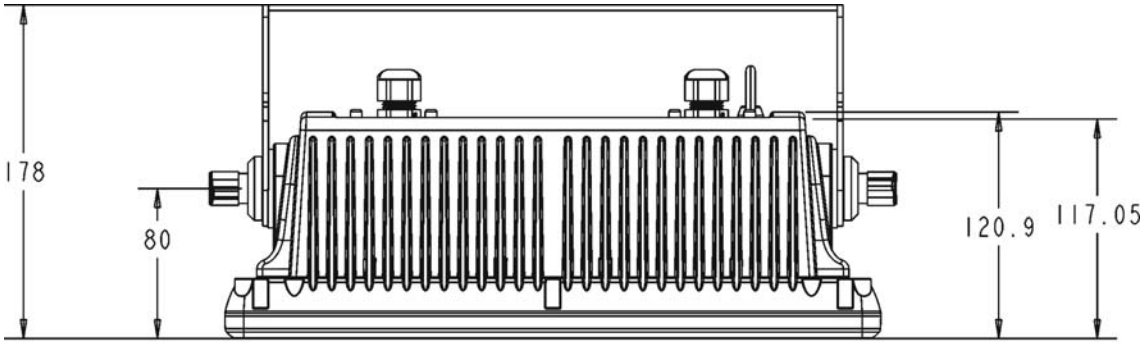
Beam angle 17°
Field angle 33.4° of Warm white LEDS(LENS 25°)
Intensity LUX 2350 687 326

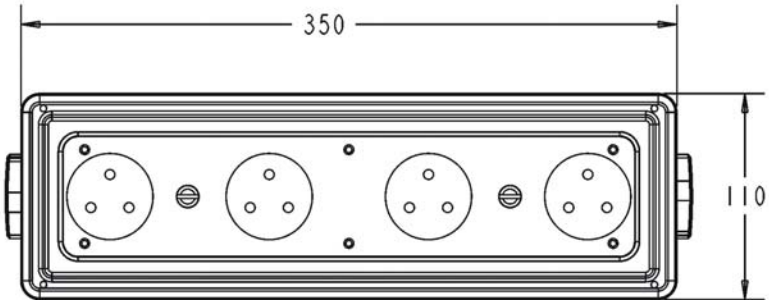


Beam angle 17°
Field angle 33.4° of Full LEDS(LENS 25°)
Intensity LUX 5450 1189 560

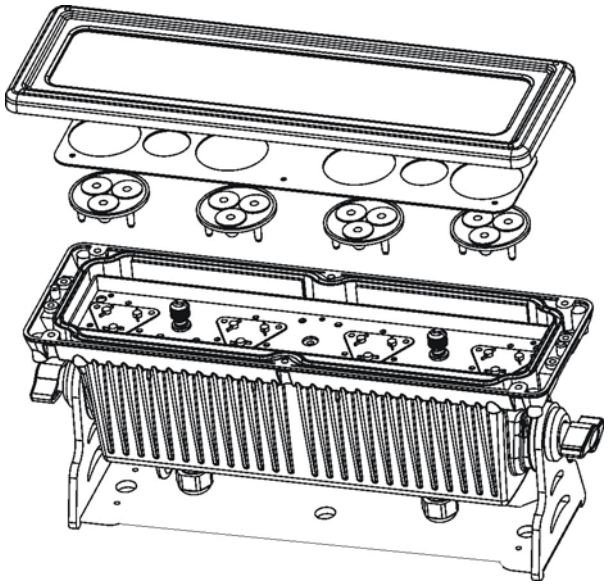


14. DIMENSIONAL DRAWINGS

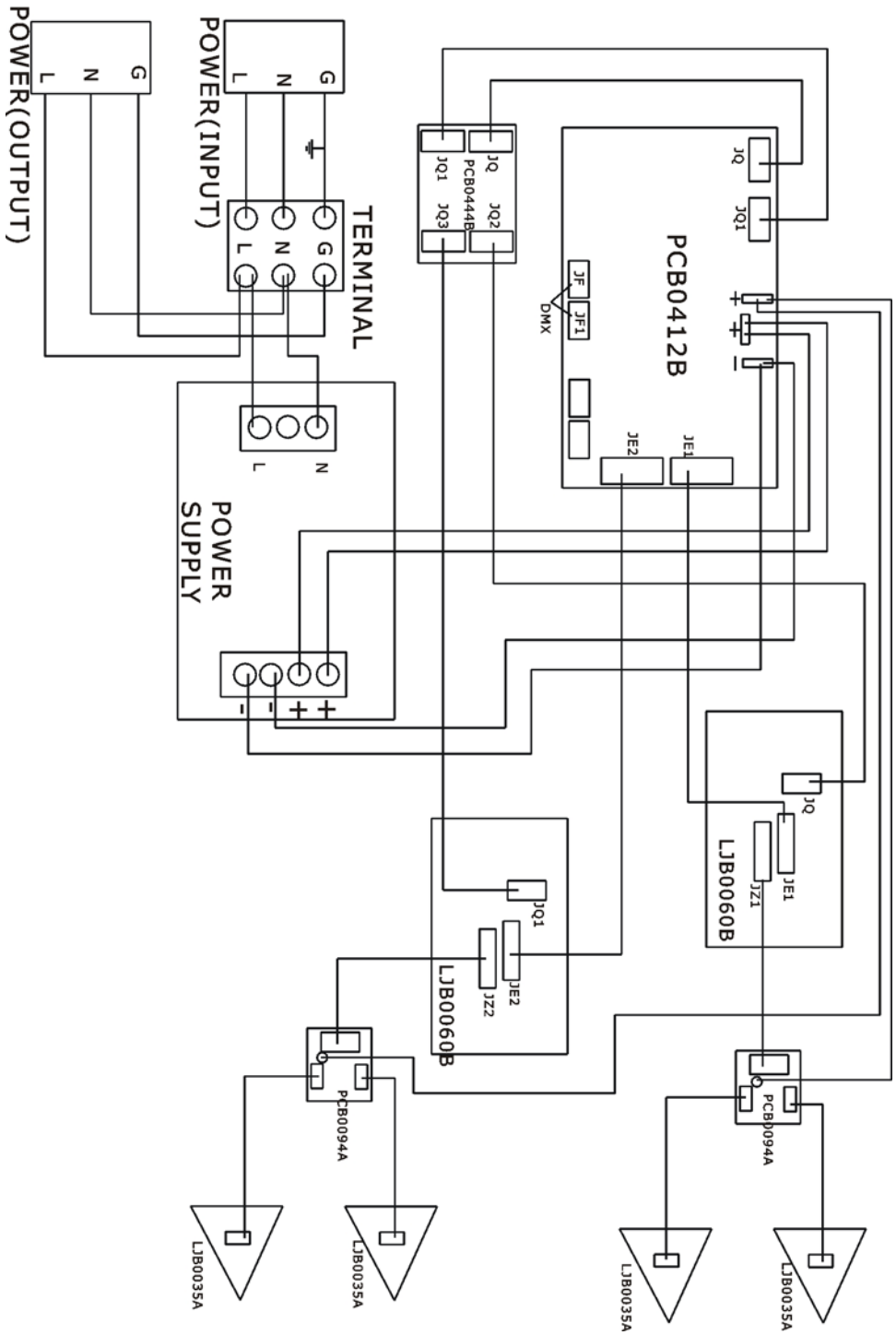




15. CHANGE LENS TO GET DIFFERENT BEAM ANGLES



16. CIRCUIT SCHEMATIC



17. TECHNICAL SPECIFICATIONS

Input voltage:	*AC 100V-240V~, 50Hz / 60Hz*
Power consumption:	*MAX 40W*
LED Configuration:	*12 3Watt Units (4 x Cool white, 8 x Warm white)*
IP Rating:	*IP66*
Weight:	*4 Kgs / 8.8Lbs*
DMX Channels:	*5, 10 DMX Channel modes*
Drive:	*Standard DMX-512, 3 pole XLR; [+] = Pin 3, [-] = Pin 2, [Ground] = Pin 1 or Standard DMX-512, 5 pole XLR; n/a = Pin 5, n/a = Pin 4, [+] = Pin 3, [-] = Pin 2,[Ground] = Pin*
Color Mixing:	*Cool white and Warm white Color Additive Mixing*
Beam Angle:	*17˚*
Field Angle:	*33.4˚*
Dimmer:	*Continuous Dimming 0~100%*
Strobe:	*Electronic Strobe 0~18 Fps*
Lamp Life:	*100,000 Hours Rated Life*
Dimensions:	*(350 x 110 x 178) mm* *13.8” x 4.3” 7”*

Please Note: Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

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